U.S. De	partment of	Commerce, Patent	and Trademark	Atty. Docket No.			Application	n No.	
		DISCLOSURE STA	TEMENT BY	ZILG.255US0			09/484,088		
PEN		APPLICANT		Applicant	Applicant				
m.	se sev	eral sheets if necess	sary)	William Herz			9247		
aci 2 3 lib	Š		<u> </u>	Filing Date		· - · · · · · · · · · · · · · · · · · ·	Art Group		
	CHE	-		January 18, 2000		·	2635 ·		
New & Told			U.S. P	atent Documents	-		<u> </u>		
*Examiner		Document Number	Date	Name	Class	Subclass	Filing D If Approp		
B	A1	4,712,105	12/1987	Köhler	1	1	1		
	A2	4,746,919	5/1988	Reitmeier					
	A3	4,856,081	8/1989	Smith					
	A4	4,866,522	9/1989	Beckley		RECEI	WED		
-	A5	4,872,151	10/1989	Smith			2003		
	A6	4,872,195	10/1989	Leonard		OCT 2	Ψ –-		
	A7.	4,894,789	1/1990	Yee	 	Technology (Center 260	<u>n</u> —	
	A8	4,959,810	9/1990	Darbee et al.		IECHIO 21			
PAT	A9	5,031,046	7/1991	Brüggeman	+				
100		<u> </u>	<u>. </u>	atent Application Docum	nents	<u> </u>	<u>.</u>		
*Examiner		Document	1			•	Filing D	ate	
Initial		Number	Date	Name	Class	Subclass	If Approp	riate	
					<u> </u>				
			Foreign	Patent Documents					
						•	Trans	latio	
		Document	Date	Country	Class	Subclass	Yes	No	
00	B1	55-140371	11/1980	Japan			Abstract	X	
		OTHER A	RT (Including A	ıthor, Title, Date, Pertin	ent Pages,	Etc.)			
B	C1			1 which was cited by the n Receiving System" Nov		n Form PTO-89	2, Japanese C	pen	
,									
				<u>.</u>			·		
Examiner	BRIAN 2	ZIMMERMAN	Date Considere	ed p/24/03			*		
	PRIMAR	Y EXAMINER		ot citation is in conformation	:4.3.60				

B2 9843158 10/1998 WIPO X OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					· · · · · · · · · · · · · · · · · · ·				
APPLICANT Applicant Conf. No. William Herz 9247 Filing Date January 18, 2000 2635 U.S. Patent Documents Examiner Initial Number Date Name Class Subclass Filing Date If Appropriate If Appropriate A10 5,075,771 12/1991 Hashimoto A11 5,086,385 2/1992 Launcy et al. A12 5,093,718 3/1992 Hoarty et al. A13 5,138,649 8/1992 Krisbergh A14 5,199,080 3/1993 Kimura et al. A15 5,223,924 6/1993 Strubbe DCT 2 8 2003 A16 5,223,924 6/1993 Strubbe DCT 2 8 2003 A17 5,251,034 10/1993 Na A18 5,262,860 11/1993 Fitzpatrick et al. U.S. Published Patent Application Documents *Examiner Initial Document Date Name Class Subclass Filing Date Filing Date Translatic Translatic Document Date Class Subclass Filing Date Translatic Appropriate Translatic Document Date OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	U.S. Depart	tment of	Commerce, Patent	and Trademark	Atty. Docket No.			Application	n No.
Applicant Conf. No.	INFORMA			TEMENT BY	ZILG.255US0			09/484,088	3
Filing Date January 18, 2000 January 18, 2000	PE		APPLICANT		Applicant	Applicant			
Examiner Document Number Date Name Class Subclass If Appropriate Initial Number Date Name Class Subclass If Appropriate If Appropriate Name Class Subclass Name Class Subclass Name Class Subclass If Appropriate Name Name Class Subclass If Appropriate Name Name Name Class Subclass If Appropriate Name N	70	Useseve	eral sheets if necess	sary)	William Herz			9247	
Examiner Document Number Date Name Class Subclass If Appropriate Initial Number Date Name Class Subclass If Appropriate If Appropriate Name Class Subclass Name Class Subclass Name Class Subclass If Appropriate Name Name Class Subclass If Appropriate Name Name Name Class Subclass If Appropriate Name N	1 37	in som			Filing Date			Art Group)
Document Number Date Name Class Subclass Filing Date If Appropriate	1 00	\$			January 18, 2000			2635	
Document Number Date Name Class Subclass Filing Date If Appropriate	W TO M	EMERIT		U.S. F	Patent Documents		······	l	
A10 5,075,771 12/1991 Hashimoto	Examiner			1.					
A11 5,086,385 2/1992 Launey et al.				+	· · · · · · · · · · · · · · · · · · ·	Class	Subclass	If Approp	oriate
A12 5,093,718 3/1992 Hoarty et al.		 		<u> </u>					
A13 5,138,649 8/1992 Krisbergh		A11		2/1992					
A14 5,199,080 3/1993 Kimura et al.		A12	5,093,718	3/1992	Hoarty et al.				
A15 5,223,924 6/1993 Strubbe		A13	5,138,649	8/1992	Krisbergh		DICE	VED	
A16 5,228,077 7/1993 Darbee Technology Center 2600 A17 5,251,034 10/1993 Na A18 5,262,860 11/1993 Fitzpatrick et al.	_	A14	5,199,080	3/1993	Kimura et al.	<u> </u>			
A17 5,251,034 10/1993 Na A18 5,262,860 11/1993 Fitzpatrick et al. U.S. Published Patent Application Documents Examiner Initial Document Number Date Name Class Subclass If Appropriate Initial Document S Foreign Patent Documents Translatic Document Date Country Class Subclass Yes Name Document S B2 / 9843158 10/1998 WIPO X OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		A15	5,223,924	6/1993	Strubbe	.	pct 2	8 2003	,
A17 5,251,034 10/1993 Na A18 5,262,860 11/1993 Fitzpatrick et al. U.S. Published Patent Application Documents Examiner Initial Document Number Date Name Class Subclass If Appropriate Initial Document S Foreign Patent Documents Translatic Document Date Country Class Subclass Yes Name B2 / 9843158 10/1998 WIPO X OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		A16	5,228,077	7/1993	Darbee		Technology	Center 260)0
U.S. Published Patent Application Documents PExaminer Initial Document Number Date Name Class Subclass If Appropriate Foreign Patent Documents Translatic Document Date Country Class Subclass Yes N B2 / 9843158 10/1998 WIPO X OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		A17	5,251,034	10/1993	Na		100111-07		
Filing Date Initial Document Number Date Name Class Subclass If Appropriate Foreign Patent Documents Translatic Document Date Country Class Subclass Yes N B2 9843158 10/1998 WIPO X OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	· KK	A18	5,262,860	11/1993	Fitzpatrick et al.	1	\		
Initial Number Date Name Class Subclass If Appropriate Foreign Patent Documents Translation Document Date Country Class Subclass Yes N B2 9843158 10/1998 WIPO X OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	V		1	U.S. Published Pa	atent Application Docu	iments	·	·· •	
Document Date Country Class Subclass Yes N B2 9843158 10/1998 WIPO X OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)				Date	Name	Class	Subclass		
Document Date Country Class Subclass Yes N B2 9843158 10/1998 WIPO X OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)									
Document Date Country Class Subclass Yes N B2 \ 9843158 \ 10/1998 \ WIPO \ X \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				Foreign	Patent Documents				
B2 / 9843158 10/1998 WIPO X OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			•					Tran	slatio
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			Document	Date	Country	Class	Subclass	Yes	No
	836	B2 ,	9843158	10/1998	WIPO			X	
	V		OTHER A	RT (Including A	uthor, Title, Date, Pert	inent Pages,	Etc.)		
	-								
		1			7.50				
				· · · · · · · · · · · · · · · · · · ·					
THE SA ST THE AN			,						
Examiner BRIAN ZIMMERIMAN Date Considered (2/29/63	Evaminer	BRIAN	ZIMMERMAN	Date Consider	ed 12/29/5				

U.S. Department of Commerce, Patent and Trademark				Atty. Docket No. Application No.						
INFORM		DISCLOSURE STA	TEMENT BY	ZILG.255US0	09/484,088					
TPE		APPLICANT		Applicant			Conf. No.			
70	(Use seve	eral sheets if necess	sary)	William Herz	9247					
0C1 2 3	1003 E			Filing Date			Art Group			
18.	. A.			January 18, 2000			2635.			
SAT & TR	WERE		U.S. P	atent Documents						
*Examiner		Document Number	Date	Name	Class	Subclass	Filing Da If Appropri			
Initial	A19	5,267,323	11/1993	Kimura	Class	Subciass	II Approp	Паце		
\	A20	5,282,028	1/1994	Johnson et al.				-		
	A21	5,287,224	2/1994	Tsuchiya et al.	 					
	A22	5,307,055	4/1994	Baskin et al.				-		
	A23	5,315,391	5/1994	Lee		 				
	A24	5,343,239	8/1994	Lappington et al.	F	RETEN	FD			
	A25	5,371,901	12/1994	Reed et al.		ļ -	>003 ———			
· ·	A26	5,379,421	1/1995	Palazzi, III et al.	 	OCT 28				
82	A27.	5,396,546	3/1995	Remillard	│ 	chnology Ce	hter 2600			
	IL.	L		tent Application Docume	—,—	1	<u> </u>			
*Examiner	$\overline{}$	Document	J.D. I ublished I	Tent Application Docume	1113	<u> </u>	Filing D	ate		
Initial	<u> </u>	Number	Date	Name	Class	Subclass	If Approp	riate		
		,								
			Foreign	Patent Documents						
							Trans	lation		
		Document	Date	Country	Class	Subclass	Yes	No		
88	B3 /	05037873	2/1993	JР		•	Abstract	X		
		OTHER AF	RT (Including Au	thor, Title, Date, Pertine	nt Pages, l	Etc.)				
<u> </u>							_ <u></u>			
	!				· 	·				
						·				
Examiner			Date Considered							
*EXAMINER citation if not	PRIMAH : Initial i in confort	*EXAMINER: Initial it reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.								

U.S. Depar	ment of	Commerce, Patent	and Trademark	Atty. Docket No.		Applicatio	n No.	
INFORMA		ISCLOSURE STA	TEMENT BY	ZILG.255US0	09/484,088			
25		APPLICANT		Applicant	Conf. No.			
612	Useseve	eral sheets if necess	ary)	William Herz	William Herz			
1 21	ing Si			Filing Date			Art Group	
1 000	1 007			January 18, 2000			2635	
PIEMZ & TRA	DEMARK		U.S. Pa	atent Documents				
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing D If Approp	
OKA	A28	5,410,326	4/1995	Goldstein	Class	Subclass	п Арргор	Tiate
1	A29	5,422,677	6/1995	Do		RECE	WED	
	A30	5,455,560	10/1995	Owen			0000	
	A31	5,455,570	10/1995	Cook et al.		9CT 2	8 2003	
	A32	5,465,385	11/1995	Ohga et al.		Technology	Center 260	0
	A33	5,481,542	1/1996	Logston et al.				
	A34	5,497,186	3/1996	Kawasaki	1			
	A35	5,499,046	3/1996	Schiller et al.				
· (K)	A36	5,500,691	3/1996	Martin et al.				
00	•	τ	J.S. Published Pa	tent Application Docume	ents	1		
*Examiner	l l		Data	Nama	Class	Subclass	Filing D	
Initial		Number	Date	Name	Class	Subclass	If Approp	nate
					-			
				D. d. at D. a. a. a. d.	<u></u>	<u> </u>		
			Foreign	Patent Documents			т т	1 4'
			T - 5	<u> </u>				lation
		Document	Date	Country	Class	Subclass	Yes	No
		OWIED		All Tide Dide De dies		E4-)		
		OTHER AF	C1 (Including Au	thor, Title, Date, Pertine	nt Pages,	etc.)		
	 							
•		,						
	. ,						<u>,</u>	
Examiner		ZIMMERMAN	Date Considered			· .,		
*EXAMINER	PRIMA	PYEEXAMUNENde	red, whether or no	ot citation is in conformance	ce with MI	PEP 609; Draw 1	ine through	
citation if not i	n confor	mance and not cons	sidered. Include co	opy of this form with your	communi	cation to applica	nt.	

U.S. Depart	U.S. Department of Commerce, Patent and Trademark				Atty. Docket No.			
INFORMA		ISCLOSURE ST	ATEMENT BY	ZILG.255US0	ZILG.255US0			
OF		APPLICANT		Applicant	Conf. No.			
6		eral sheets if neces	sary)	William Herz			9247	
2 3 700	3 8			Filing Date	<u>-</u>		Art Group)
/ m.	The state of the s						2635	
TAY & TRADE	J.F.		U.S. P	atent Documents				
*Examiner		Document Number	Date	Name	Class	Subclass	Filing I	
Initial	A37	5,500,794	3/1996	Fujita et al.	Class	Subclass	II Applo	Jilate
W10-	A38	5,506,717	4/1996	Kho				-
	A39	5,515,347	5/1996	Mulder et al.				
	A40	5,523,794	6/1996	Mankovitz et al.	 		· · · · ·	
	A41	5,543,857	8/1996	Wehmeyer et al.	+-+-	RE	CEIVE	<u>-</u> D
	A42	5,545,857	8/1996	Lee et al.	 			
	A43	5,557,338	9/1996	Maze et al.		- 00	T 2 8 20(13
-	A44	5,561,708	10/1996	Remillard		- ¢chnol d	gy Center	2600
· (k)	A45	5,574,964	11/1996	Hamlin				
H VPO	<u> </u>		U.S. Published Pa	tent Application Docu	ments		, I	
*Examiner Document				<u> </u>		Filing I		
Initial		Number	Date	Name	Class	Subclass	If Appro	priate
	<u> </u>							
,			Foreign	Patent Documents			T	
		·		I			 	slation
•		Document	Date	Country	Class	Subclass	Yes	No.
						•	L	<u> </u>
		OTHER A	RT (Including Au	thor, Title, Date, Perti	nent Pages	s, Etc.)		
						•		
	-							
			1					~
Examiner B	RIAN ZI	MMERMAN FXAMINER	Date Considere					
*EXAMINER!	'lliffial i n confor	t réference consid	ered, whether or no	ot citation is in conformation opy of this form with yo	ance with N	APEP 609; Draw l	ine through	

U.S. Department of Commerce, Patent and Trademark				Atty. Docket No.	Application	n No.		
INFORM		ISCLOSURE ST.	ATEMENT BY	ZILG.255US0	09/484,088			
RE	`	APPLICANT		Applicant	Conf. No.			
0	(Usa seve	eral sheets if neces	ssary)	William Herz	William Herz			
2370	or 23 7000 gg						Art Group)
a	<u> </u>						2635	
SWIS TRANS	N. C.		U.S. Pa	atent Documents				
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing I	
(f)X	A46	5,585,866	12/1996	Miller et al.		1		
	A47	5,589,892	12/1996	Knee et al.				
	A48	5,594,509	1/1997	Florin et al.				
	A49	5,598,143	1/1997	Wentz	,	,,		
	A50	5,600,368	2/1997	Mathews, III			. ,	·
	A51	5,608,446	3/1997	Carr et al.		Ì.	OCT 9	VE,
	A52	5,619,274	4/1997	Roop et al.		1ºC/1/10	na. 8 2	003
	A53	5,621,456	4/1997	Florin et al.			SY Cente	
KK	A54	5,630,757	5/1997	Gagin et al.			OCT 2 8 2	<600
	•		U.S. Published Pa	tent Application Docu	ments			
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing I If Appro	
		"						
			Foreign	Patent Documents				1 4
	<u> </u>	T 5		<u> </u>		0.1.1		slation
	•	Document	Date	Country	Class	Subclass	Yes	No
		OTHER A	DT (Including Au	thor, Title, Date, Perti	nont Pages H	Eta)		
		OTHERA	K1 (Including Au	thor, Title, Date, Ferti	ment rages, r			
	 							
Examiner	BRIAN 7	IMMERMAN	Date Considered	12/29/03				
	PHIMARI	PERMAPHEPPSid		ot citation is in conformation of this form with yo				

U.S. De	U.S. Department of Commerce, Patent and Trademark				Atty. Docket No.	Applicatio	n No.			
INFOF	RMA		DISCLOSURE STA	TEMENT BY	ZILG.255US0	ZILG.255US0				
6	<u></u>		APPLICANT	•	Applicant			Conf. No.		
61			eral sheets if necessa	ary)	William Herz			9247 .		
1	37000				Filing Date			Art Group	,	
1 0001		<i>§</i>			January 18, 2000			2635		
AIENTA		THE STATE OF THE S		U.S. Pa	atent Documents					
*Examiner	r r		Document				0.1.1	Filing D		
Initial		A55	Number 5,646,608	7/1997	Name Shintani	Class	Subclass	If Approp	oriate	
. 4/	0_					-				
-		A56	5,648,824	7/1997	Dunn et al.	 		_		
	igsqcut	A57	5,657,072	8/1997.	Aristides et al.	 	·			
		A58	5,671,267	9/1997	August et al.		-AEV	WED		
		A59	5,689,663	11/1997	Williams		REV	7		
		A60	5,694,163	12/1997	Harrison	T	OCT 2	8 5002		
		A61.	5,699,124	12/1997	Nuber et al.		7	center 26	20	
00	, ,	A62	5,708,961	1/1998	Hylton et al.		Technology	Qe+		
MX		A63	5,715,020	2/1998	Kuroiwa et al.	 				
∨-	U.S. Published Patent Application Documents									
*Examiner	r		Document			T		Filing D		
Initial		<u> </u>	Number	Date	Name	Class	Subclass	If Approp	oriate	
		٢								
				Foreign	Patent Documents					
								Trans	slation	
			Document	Date	Country	Class	Subclass	Yes	No	
			OTHER AF	tT (Including Au	thor, Title, Date, Pertine	nt Pages, I	Etc.)			
					<u> </u>	•				
	ŀ						•		•	
•	ļ									
· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·			_			
_				•						
Examiner	—	RRIAN	ZIMMERMAN	Date Considered	d 12/29/03					
					ot citation is in conformance		PEP 600 Draw 1	ine through		
citation if	not ir	ı confori	mance and not cons	sidered. Include co	opy of this form with your	communic	cation to applica	nt.		

U.S. Dep	artment of	Commerce, Patent	and Trademark	Atty. Docket No.	Applicatio	n No.		
INFOR		ISCLOSURE STA	TEMENT BY	ZILG.255US0	ZILG.255US0			
		APPLICANT	E	Applicant	Conf. No.			
	(Use seve	eral sheets if neces	sary)	William Herz	William Herz			
<u> </u>		70	23 MIC 2	Filing Date	***		Art Group	,
		/ OCT	ž.	January 18, 2000			2635	
		A/EA	TA TRADES U.S. Pa	atent Documents			-	
*Examiner		Document		3.7	CI	0.1.1	Filing D	13
Initial	A64	Number 5,722,041	Date 2/1998	Name Freadman	Class	Subclass	If Approp	riate
WO.	A65	5,761,606	6/1998	Wolzien	-	_		
	A66	5,781,228	7/1998	Sposato	+			
 	A67	5,802,467	9/1998	Salazar et al.	 		-11/E	<u> </u>
	A68	5,828,403	10/1998	DeRodeff et al.	 	- RE	CEIVE 17 2 8 20	-U
			-	Kumai	 	- / nr	T 2 8 20	03
	A69	5,898,398	4/1999				Cont	ar 260
	A70	5,898,919	4/1999	Yuen	1 1	Techno	logy Cent	51 200
- Ah	, A71	5,903,259	5/1999	Brusky et al.	 		·	
· V &	A72	5,952,936	9/1999	Enomoto .	6		l	
4.50	1		U.S. Published Par	tent Application Docum	nents		T 2011 20	
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing D If Approp	11
		,					ı	
			Foreign	Patent Documents				
							Trans	slation
		Document	Date	Country	Class	Subclass	Yes	No
_							·	
		OTHER A	RT (Including Au	thor, Title, Date, Pertir	ent Pages, I	Etc.) .		
			•					,
•		·						
			,					
· 								
							•	
								
Examiner		ZIMMERMAN	Date Considered					
*EXAMINI citation if no	RPHMAF ot in confor	Y rEXAMPLE Insidemance and not con	ered, whether or no sidered. Include co	ot citation is in conforma opy of this form with you	nce with MP ur communic	EP 609; Draw l ation to applica	ine through int.	

U.S. Department of Commerce, Patent and Trademark				Atty. Docket No.			Applicatio	n No.	
INF	ORMA		ISCLOSURE STA	TEMENT BY	ZILG.255US0	09/484,088			
			APPLICANT /	A E SO	Applicant	Conf. No.			
	(Use seve	eral sheets if necess	ary) 7 3 735 2	William Herz			9247	
				aci s	Filing Date		·	Art Group)
				PIEM & TRADER	January 18, 2000			2635	
					ntent Documents				
*Exami	ner		Document	Data	NI	Class	Subclass	Filing I	
Initial	N	A73	Number 5,956,025	Date 9/1999	Name Goulden et al.	Class	Subclass	If Approi	Dilate
7	<u> </u>	A74	6,002,450	12/1999	Darbee et al.	 			
		A75	6,040,829	3/2000	Croy et al.	 			
•		A76	6,052,155	4/2000	Cherrick et al.	 -		VED	
		A77	6,097,441	8/2000		 	REUL	VLO	
	-			 	Allport	- - 	bet 2		
	 	A78	6,104,334	8/2000	Allport		Technology (center 260)0——
L	}	A79	6,130,726	10/2000	Darbee et al.	+	Lecunoina,	001110	
. (716	A80	6,211,856	4/2001	Choi et al.	- '	<u> </u>		
		<u> </u>							
4= .	,	T	<u>,</u>	J.S. Published Pat	tent Application Docu	ments		D:1: T	
*Exami Initial	ner	Document Number		Date	Name	Class	Subclass	Filing I	
		<u> </u>	I	Foreign	Patent Documents				
			-	1 or eight	Tutont Documents			Tran	slation
ļ		T	Document	Date	Country	Class	Subclass	Yes	No
			Document	Date	Country	Cluss	Bubblass	105	+ -
			OTHER AP	T (Including Au	thor, Title, Date, Pert	nont Pages	Fto)		L
		1	OTHER AR	CI (Including Au	inoi, Title, Date, Ferti	ment rages,	Ett.)		- :
•								·	
	•								
								•	
				T				····	
Examin			ZIMMERMAN	Date Considered	d 12/29 /03		- 100		
*EXAN	INER:	TRHATY	Trefefence conside	red, whether or no	et citation is in conform	ance with MF	PEP 609; Draw I	ine through	
	ii iiUt I	ii comon	manee and not cons	nacica. Miciaae Cl	opy or and form with M	our community	canon to applica	,	

4